

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Appln. No: To Be Assigned  
Applicant: Calvin R. Krusen  
Filed: Herewith  
Title: SYSTEM AND METHOD FOR CAVITY RING-DOWN SPECTROSCOPY USING  
CONTINUOUSLY VARYING CONTINUOUS WAVE EXCITATION  
TC/A.U.:  
Examiner:

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. §§ 1.97 and 1.98 and to the duty of disclosure set forth in 37 C.F.R. § 1.56, the Examiner in charge of the above-identified application is requested to consider and make of record the references listed on the PTO 1449 (R&P) submitted herewith. A copy of each of the non U.S. patent documents listed as references are also enclosed.

Although the information submitted herewith may be "material" to the Examiner's consideration of the subject application, this submission is not intended to constitute an admission that such information is "prior art" as to the claimed invention.

In accordance with 37 C.F.R. § 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made.

This Information Disclosure Statement is being filed concurrently with the above-referenced application.

Respectfully submitted,

  
\_\_\_\_\_  
Jacques L. Etkowicz, Reg. No. 41,738  
Attorney for Applicant

JLE/erb

Enclosures: PTO Form 1449  
(2) References

Dated: September 22, 2003

P.O. Box 980  
Valley Forge, PA 19482-0980  
(610) 407-0700

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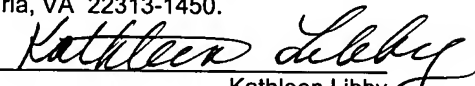
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Kathleen Libby

**C m p l t e i f K n w n**

***(Use as many sheets as necessary)***

|                      |                  |
|----------------------|------------------|
| Application Number   | To Be Assigned   |
| Filing Date          | Herewith         |
| First Named Inventor | Calvin R. Kruser |
| Art Unit             |                  |
| Examiner Name        |                  |
| Attorney Docket No.  | TGR-102US        |

[illegible][illegible]Date  
Considered

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|  | Application Number       | To Be Assigned   |
|  | Filing Date              | Herewith         |
|  | First Named Inventor     | Calvin R. Krusen |
|  | Art Unit                 |                  |
|  | Examiner Name            |                  |
| <b>SHEET 1 of 1</b>  | Attorney Docket No.      | TGR-102US        |

| NON-PATENT LITERATURE DOCUMENTS |                       |  |                          |
|---------------------------------|-----------------------|--|--------------------------|
| Examiner Initials*              | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published | T <sup>2</sup>           |
|                                 |                       | RICHARD ENGELN and GERARD MEIJER, "A Fourier Transform Cavity Ring Down Spectrometer", Rev. Sci. Instrum. 67, 2708, (1996), Dept. of Molecular and Laser Physics, University of Nijmegen, pages 1-7.   | <input type="checkbox"/> |
|                                 |                       | K. J. SCHULTZ and W.R. SIMPSON, "Frequency-Matched Cavity Ring-Down Spectroscopy", Chem. Phys. Lett. 10/14/98, Geophysical Institute and Chemistry Dept, University of Alaska Fairbanks, pages 1-9.  | <input type="checkbox"/> |
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

<sup>1</sup>Applicant's unique citation designation number (optional).

<sup>2</sup>Applicant is to place a check mark here if English language translation is attached.

The collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**